

Claims

- [c1] 1. A fan module, comprising:
a casing, having a mounting space, an air inlet and an air outlet, wherein the air inlet and the air outlet are linked through the mounting space;
a fan, disposed within the mounting space; and
a plurality of fins, disposed across the air outlet and laid parallel to each other, wherein each fin has a plurality of first protruding sections protruding from a surface of the fin for separating neighboring fins from each other, and the fins partition the air outlet into a plurality of narrow slots having a width smaller than or equal to 1mm.
- [c2] 2. The fan module of claim 1, wherein an inner wall of the casing at the air outlet separates from the nearest fin through the first protruding sections to form another narrow slot.
- [c3] 3. The fan module of claim 1, wherein the first protruding sections are formed by bending the cut portion of the fins relative to the uncut portion thereof.
- [c4] 4. The fan module of claim 2, wherein each of the fins is shaped into a long strip and the first protruding sections

are located at each end of the corresponding fin.

- [c5] 5. The fan module of claim 2, wherein each of the fins is shaped into a long strip and the first protruding sections are located in the middle of the corresponding fin.
- [c6] 6. The fan module of claim 2, wherein each of the fins further comprises a plurality of second protruding sections protruding from another surface of the corresponding fin.
- [c7] 7. The fan module of claim 6, wherein the inner wall of the casing at the air outlet separates from the nearest fin through the second protruding sections to form another narrow slot.
- [c8] 8. The fan module of claim 6, wherein the second protruding sections are formed by bending the cut portion of the fins relative to the uncut portion thereof.
- [c9] 9. The fan module of claim 6, wherein each of the fins is shaped into a long strip and the second protruding sections are located at each end of the corresponding fin.
- [c10] 10. The fan module of claim 1, wherein each of the slots has a width between about 0.8 to 1mm.
- [c11] 11. The fan module of claim 1, wherein the length of the air outlet is in a direction perpendicular to the direction

where the fins are stacked.

[c12] 12. The fan module of claim 1, wherein the length of the air outlet is parallel to the length of the fins.

[c13] 13. The fan module of claim 1, wherein the casing further comprises a cover plate and a base such that the air inlet is formed on the cover plate, the air outlet is formed by combining the inner wall of the cover plate and the base and the fins are joined to the cover plate.